

ABSTRACT OF DISCLOSURE

In a solid-state imaging apparatus provided with a solid-state imaging element having a plurality of pixels for subdividing incident light from a photographic subject into a 5 plurality of color signals so as to image the photographic subject; and signal processing means for performing a white balance correcting operation based upon a gain amount corresponding to a sort of a light source with respect to photographed image data outputted from the solid-state image 10 element; two sorts (G₁, G₂) of pixels whose spectral sensitivities are different from each other are provided on the solid-state imaging element as the pixel for detecting at least one color among the plurality of color signals; the signal processing means is comprised of: a mixing ratio predicting means 15 52 operated in such a manner that when there are plural sorts of light sources as to the incident light, a mixing ratio of illumination light emitted from the plural sorts of light sources is predicted every pixel from photographed image data acquired by the pixels having two sorts of the spectral sensitivities; 20 and a gain amount calculating means 53 for calculating a gain amount used to perform the white balance correcting operation every pixel in response to the mixing ratio.

[Selected drawing] Figure 4